

## **AGENDA**

- Who Am I?
- Breaking it down
- Why Do We Care
- Questions

## Who Am I

- I have worked Information Assurance / Cyber Security field for the past 10 years with General Dynamics Advanced Information Systems in Fairfax Virginia, supporting federal level cyber security activities for National Reconnaissance Office in Chantilly Virginia.
  - A large focus of my responsibilities include: Creation of enterprise governance policies, definition of implementation methods and validation of adherence to / enforcement of policies.
  - I manage a worldwide staff that specifically focuses on testing of security control implementation to satisfy cyber security requirements.
- I have a Bachelor's Degree from Strayer University in Network Security and a Master Degree from Capitol College in Information Assurance.
- I am a member in good standing with the multiple Information Security
  Certification organizations actively holding the following certifications
  - Certified Information Systems Security Professional (CISSP)
  - Certified Information Security Manager (*CISM*)
  - Certified in Risk and Information Systems Control (CRISC)
  - Security+ Certified Professional (Security+)
  - Information Technology Information Library (ITIL)

### **BREAKING IT DOWN**

#### What Cyber Security Is:

- Cyber security is the collection of technologies, services, processes and best practices designed to protect networks, computers, applications and data from attack, damage or unauthorized access.
  - Also referred to as Computer Security, Information Security,
    Information Assurance
- It spans multiple Security disciplines to include Physical Security,
  Personnel Security, Personal Security, Network Security, Information
  Security, Communications Security, Operations Security and Security

Awareness

#### Physical Security:

Protection of technology and data from unauthorized physical access.
 Includes guards, doors, locks, fences, cameras

#### Personnel Security:

Review and assessment of people to validate "worthiness" of access (both physical and virtual) to technology and data

#### Personal Security:

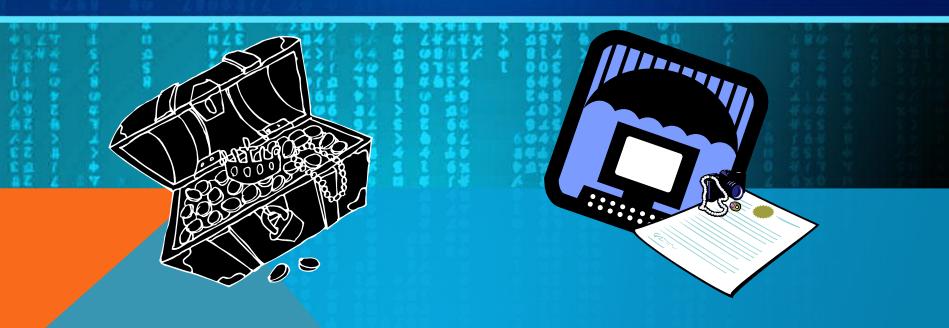
 Protection of the personnel in an organization that are authorized to access the organization, its technology and data

### **BREAKING IT DOWN**

- Network Security:
  - Technology implemented to protect networks from unauthorized access
- Information Security:
  - Protection of an organizations information (data) to include the technology that is used to store, process or transmit the information
- Communications Security:
  - Protection of an organizations communication media, technology and content.
- Operations Security:
  - Protection of the details regarding an organizations capabilities, methods or activities
- Security Awareness
  - Ongoing education and training to ensure that personnel are reminded of and trained on Cyber Security principles

## **BREAKING IT DOWN**

- What Cyber Security Is Not:
  - Cyber security is not a collection of laws and regulations
  - Cyber security is not a one time install of Anti-virus software
  - Cyber security is not someone else's responsibility
- The common denominator across all disciplines comprising Cyber Security is Security
  - It is important for everyone involved to understand what needs to be protected and why as well as where protection needs to be applied



## WHY DO WE CARE

#### Cyberspace:

- Cyberspace is that worldwide environment of computers and the infrastructure that connects them, more commonly referred to as the Internet
- The growth in number and prevalence of connected devices has created an environment where both people and organizations are constantly exposed to threats
  - Devices are not just the computer sitting on your desk anymore



Being "connected" is accepted, expected and inherently trusted

## WHY DO WE CARE

- People are inherently the weak link in all aspects fo security
  - We all trust that someone or something else is protecting our interests
  - People tend to lack the due diligence to ensure that all aspects of our part of the cyberspace are adequately protected
  - Connected to the internet = exposed and vulnerable
- So how do we make it better???
- Education and awareness are key to ensure understanding of the issue and support for the resolutions we are here to help deifine.

# QUESTIONS??

